Kansas

Adequacy of Prenatal Care Utilization Index Kansas, 2003



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Adequacy of Prenatal Care Utilization Index

The Kansas Department of Health and Environment (KDHE) annually publishes an Adequacy of Prenatal Care Utilization (APNCU) Index, utilizing information readily available on the Kansas birth certificate (number of prenatal care visits, month prenatal care began, and gestational length of pregnancy). The APNCU Index combines information on the adequacy of initiation of prenatal care and the adequacy of received services to characterize adequacy of pregnancy-related health services provided to an expectant mother between conception and delivery. Prenatal care has long been endorsed as a major means to identify and reduce the risks of bearing infants who are low birth weight, are stillborn, or die within the first year of life. Therefore, the APNCU categorizes care as inadequate, intermediate, adequate or adequate plus in an attempt to measure progress toward reducing such risks. The index does not assess quality of the prenatal care that is delivered, only its utilization.

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KANSAS ADEQUACY OF PRENATAL CARE UTILIZATION (APNCU) INDEX

I. Month prenatal care began (Adequacy of Initiation of Prenatal Care)

Adequate Plus: 1st or 2nd month Adequate: 3rd or 4th month Intermediate: 5th or 6th month

Inadequate: 7th month or later, or no prenatal care

II. Proportion of the number of visits recommended by the American College of Obstetricians and Gynecologists (ACOG) received from the time prenatal care began until delivery (Adequacy of Received Services)

Adequate Plus: 110% or more

Adequate: 80% - 109% Intermediate: 50% - 79% Inadequate: less than 50%

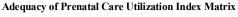
III. Summary Adequacy of Prenatal Care Utilization Index

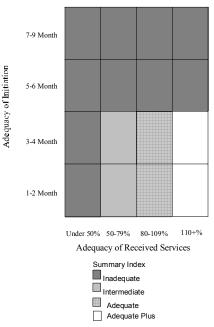
Adequate Plus: Prenatal care begun by the 4th month and 110% or more of recommended visits received

Adequate: Prenatal care begun by the 4th month and 80% - 109% of recommended visits received

Intermediate: Prenatal care begun by the 4th month and 50% - 79% of recommended visits received

Inadequate: Prenatal care begun after the 4th month or less than 50% of recommended visits received





NOTE: The APNCU Index requires the use of the following data elements reported on the live birth certificate: number of prenatal care visits, month prenatal care began, and gestational length of pregnancy.

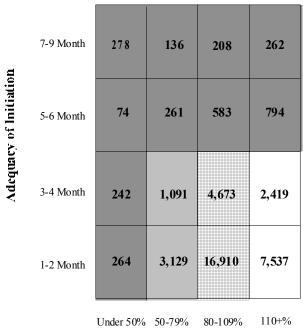
APNCU Reference: Kotelchuck M. An evaluation of the Kessner Adequacy of Prenatal Care Index and a proposed Adequacy of Prenatal Care Utilization Index. *American Journal of Public Health*, 1994;84:1414-1420.

Source: Children & Families Section, Bureau for Children, Youth, and Families, Kansas Department of Health & Environment, 785-296-1306

Office of Health Care Information, Center for Health & Environmental Statistics, Kansas Department of Health & Environment, 785-296-5644

This product can be found on the Worldwide Web at: http://www.kdhe.state.ks.us/ches/

Adequacy of Prenatal Care Utilization Index Kansas Residents*, 2003



Adequacy of Received Services

Summary Index Inadequate Intermediate Adequate Adequate Plus

^{*}Includes only the 38,861 Kansas resident live births for which number of prenatal visits and month care began were reported on the the birth certificate.

Adequacy of Prenatal Care Utilization (APNCU) Index By County of Residence Kansas, 2003

		APNCU Category**								
County of	inty of Live		Adequate Plus		Adequate		Intermediate		Inadequate	
Residence	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated
Kansas	38,861	9,956	25.6	21,583	55.5	4,220	10.9	3,102	8.0	492
Allen		63	34.6	74	40.7	27	14.8	18	9.9	1
Anderson		36	35.0	55	53.4	7	6.8	5	4.8	0
Atchison	221	64	29.0	125	56.6	16	7.2	16 9	7.2	1
Barber		5	12.8	23	59.0	2	5.1	33	23.1	0 17
Barton	. 354	76	21.5	208	58.8	37	10.4	33	9.3	17
Bourbon	220	90	40.9	114	51.8	12	5.5	4	1.8	0
Brown		36	28.3	79	62.2	8	6.3	4	3.2	4
Butler	698	127	18.2	478	68.5	55	7.9	38	5.4	6
Chase	. 34	10	29.4	13	38.2	7	20.6	4	11.8	1
Chautauqua	. 38	14	36.8	17	44.7	5	13.2	2	5.3	0
Cherokee		71	27.0	135	51.3	22	8.4	35	13.3	2
Cheyenne		2	9.1	9	40.9	9	40.9	2	9.1	0
Clark		6	28.6	8	38.1	6	28.6	1	4.7	0
Clay		18 24	22.2 21.2	41 67	50.6 59.3	14 11	17.3 9.8	8 11	9.9 9.7	0
Cloud	. 113	24	21.2	07	59.5	''	9.0	''	9.7	U
Coffey	107	39	36.4	58	54.2	6	5.6	4	3.8	1
Comanche		0	0.0	10	83.4	1	8.3	1	8.3	0
Cowley		145	31.4	240	52.1	37	8.0	39	8.5	0
Crawford		255	48.1	216	40.8	27	5.1	32	6.0	4
Decatur	. 28	4	14.3	22	78.6	0	0.0	2	7.1	0
Dickinson		59	28.3	110	52.6	23	11.0	17	8.1	3
Doniphan		13	17.1	52	68.4	6	7.9	5	6.6	0
Douglas		376	32.2	575	49.3	147	12.6	69	5.9	62
Edwards	39 22	6 7	15.4	21 12	53.8	8	20.5	4 2	10.3	2
Elk	22	<i>'</i>	31.8	12	54.6	1	4.5		9.1	U
Ellis	359	72	20.1	220	61.3	50	13.9	17	4.7	0
Ellsworth		10	22.2	28	62.2	4	8.9	3	6.7	0
Finney		140	18.8	274	36.9	191	25.7	138	18.6	8
Ford	705	126	17.9	298	42.3	155	22.0	126	17.8	16
Franklin	333	118	35.4	157	47.2	29	8.7	29	8.7	6
		404				40=				•
Geary		121	19.9	307	50.4	127	20.8	54	8.9	0
Gove		8	24.2	17 15	51.5	3 7	9.1 28.0	5 2	15.2	0
Graham Grant	139	24	4.0 17.3	70	60.0 50.3	25	18.0	20	8.0 14.4	1
Gray		13	14.0	46	49.5	20	21.5	14	15.0	2
Gray		10	14.0		40.0		21.0		10.0	_
Greeley	. 6	0	0.0	5	83.3	0	0.0	1	16.7	0
Greenwood		26	32.1	48	59.2	5	6.2	2	2.5	0
Hamilton		4	10.0	24	60.0	7	17.5	5	12.5	0
Harper		14	20.9	41	61.2	6	9.0	6	8.9	2
Harvey	431	137	31.8	231	53.6	24	5.6	39	9.0	1
Haakall	70	_	44.4	24	40.0	45	04.4	10	10.0	2
Haskell		8 4	11.4	34 14	48.6	15 8	21.4	13 5	18.6 16.1	3
Hodgeman Jackson		63	12.9 34.1	95	45.2 51.4	21	25.8 11.3	6	16.1 3.2	9
Jefferson		83	36.8	111	49.1	22	9.7	10	4.4	5
Jewell		7	26.9	16	61.5	1	3.9	2	7.7	0
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Johnson		2,334	31.4	4,280	57.6	530	7.1	292	3.9	39
Kearny	62	13	21.0	25	40.3	17	27.4	7	11.3	0
Kingman	78	17	21.8	48	61.5	5	6.4	8	10.3	0
Kiowa		5	13.2	22	57.9	9	23.7	2	5.2	0
Labette	251	88	35.1	119	47.4	24	9.5	20	8.0	0
Lano	22	4	100	0	40.0	2	126	6	27.2	0
Lane Leavenworth	968	306	18.2 31.6	9 488	40.9 50.4	3 107	13.6 11.1	6 67	27.3 6.9	0
Lincoln		306	25.8	20	64.5	2	6.5	1	3.2	0
Linn		39	37.5	48	46.2	12	11.5	5	4.8	1
Logan	31	5	16.1	18	58.1	7	22.6	1	3.2	0
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Adequacy of Prenatal Care Utilization (APNCU) Index By County of Residence Kansas, 2003

		APNCU Category**									
County of	Live	Adequa	te Plus	Adeq	uate	Interm	ediate	Inade	Not		
Residence	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated	
Lyon	543	140	25.8	313	57.6	28	5.2	62	11.4	14	
Marion	134	44	32.9	70	52.2	9	6.7	11	8.2	0	
Marshall	111	25	22.5	54	48.7	22	19.8	10	9.0	4	
McPherson	341	77	22.6	219	64.2	35	10.3	10	2.9	1	
Meade	64	15	23.4	29	45.3	8	12.5	12	18.8	4	
Miami	434	136	31.3	238	54.8	41	9.5	19	4.4	1	
Mitchell	57	18	31.6	35	61.4	1	1.7	3	5.3	0	
Montgomery	411	176	42.8	159	38.7	40	9.7	36	8.8	5	
Morris	61	12 5	19.7	29	47.5	13	21.3	7	11.5	0 3	
Morton	32	5	15.6	13	40.6	3	9.4	11	34.4	3	
Nemaha	125	33	26.4	64	51.2	19	15.2	9	7.2	6	
Neosho	212	92	43.4	93	43.9	16	7.5	11	5.2	1	
Ness	31	7	22.6	14	45.2	5	16.1	5	16.1	0	
Norton	44	12	27.3	24	54.5	8	18.2	0	0.0	0	
Osage	187	74	39.6	88	47.0	11	5.9	14	7.5	1	
Osage	107	, ,	00.0	00	47.0		0.0		7.5	•	
Osborne	37	10	27.0	18	48.7	5	13.5	4	10.8	0	
Ottawa	66	14	21.2	46	69.7	3	4.6	3	4.5	0	
Pawnee	59	16	27.1	30	50.8	7	11.9	6	10.2	2	
Phillips	59	16	27.1	30	50.9	10	16.9	3	5.1	2	
Pottawatomie	283	93	32.9	122	43.1	47	16.6	21	7.4	9	
Pratt	104	20	19.2	59	56.7	13	12.5	12	11.6	1	
Rawlins	17	5	29.4	7	41.2	3	17.6	2	11.8	0	
Reno	801	200	25.0	457	57.0	77	9.6	67	8.4	8	
Republic	44	10	22.7	27	61.4	3	6.8	4	9.1	0	
Rice	117	23	19.7	65	55.6	19	16.2	10	8.5	2	
Riley	896	174	19.4	405	45.2	229	25.6	88	9.8	4	
Rooks	59	13	22.0	33	55.9	8	13.6	5	8.5	0	
Rush	37	3	8.1	29	78.4	3	8.1	2	5.4	1	
Russell	82	14	17.1	43	52.4	16	19.5	9	11.0	0	
Saline	741	194	26.2	430	58.0	79	10.7	38	5.1	1	
Scott	65	10	15.4	28	43.1	9	13.8	18	27.7	1	
Sedgwick	7,436	1,029	13.8	5,184	69.7	632	8.5	591	8.0	132	
Seward	485	143 890	29.5	184 1,226	37.9	36	7.4	122	25.2	46 8	
Shawnee	2,452 26	5	36.3 19.2	1,226	50.0	193 3	7.9	143 0	5.8 0.0	0	
Sheridan	20	3	19.2	10	69.2	3	11.6	U	0.0	U	
Sherman	72	18	25.0	33	45.8	12	16.7	9	12.5	0	
Smith	36	17	47.2	15	41.7	2	5.6	2	5.5	0	
Stafford	46	9	19.6	27	58.7	8	17.4	2	4.3	1	
Stanton	36	9	25.0	16	44.4	5	13.9	6	16.7	0	
Stevens	76	16	21.1	35	46.0	7	9.2	18	23.7	8	
						•				_	
Sumner	294	47	16.0	198	67.3	35	11.9	14	4.8	3	
Thomas	91	16	17.6	57	62.6	13	14.3	5	5.5	0	
Trego	31	10	32.3	17	54.8	3	9.7	1	3.2	0	
Wabaunsee	74	27	36.5	38	51.4	6	8.1	3	4.0	0	
Wallace	21	2	9.5	13	61.9	5	23.8	1	4.8	0	
Washington	60	21	35.0	32	53.4	5	8.3	2	3.3	0	
Wichita	38	9	23.7	21	55.3	5	13.1	3	7.9	0	
Wilson	108	52	48.1	41	38.0	6	5.6	9	8.3	3	
Woodson	39	17	43.6	16	41.0	3	7.7	3	7.7	0	
Wyandotte	2,751	594	21.6	1,251	45.5	521	18.9	385	14.0	21	

^{*}Includes only Kansas resident live births for which number of prenatal visits and month care began were reported on the birth certificate.

Residence data.

Source: Center for Health & Environmental Statistics
Kansas Department of Health and Environment

Number and Percent of Live Births by Race and Hispanic Origin By Adequacy of Prenatal Care Utilization (APNCU) Index Kansas, 2003

		APNCU Category								
Race and	Live	Adequate Plus		Adequate		Intermediate		Inadequate		Not
Hispanic Origin	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated
Total	38,861	9,956	25.6	21,583	55.5	4,220	10.9	3,102	8.0	492
White	34,372	8,953	26.0	19,271	56.1	3,615	10.5	2,533	7.4	429
Black	2,723	577	21.2	1,340	49.2	411	15.1	395	14.5	30
American Indian	458	134	29.3	226	49.3	41	9.0	57	12.4	12
Asian/Pacific Islander.	1,203	280	23.3	695	57.8	131	10.9	97	8.0	15
Other NonWhite	27	2	7.4	11	40.8	7	25.9	7	25.9	1
Not Stated	78	10	n/a	40	n/a	15	n/a	13	n/a	5
Hispanic**	5,258	940	17.9	2,485	47.3	949	18.0	884	16.8	159

n/a Not applicable

Source: Center for Health & Environmental Statistics
Kansas Department of Health and Environment

^{*}Includes only Kansas resident live births for which number of prenatal visits and month care began were reported on the birth certificate.

^{**}Hispanic origin can be of any race Residence data.

Number and Percent of Live Births by Birth Weight By Adequacy of Prenatal Care Utilization (APNCU) Index Kansas, 2003

		APNCU Category								
Birth Weight	Live	Adequa	ate Plus	is Adequate		Intermediate		Inadequate		Not
(Grams)	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated
Total	38,861	9,956	25.6	21,583	55.5	4,220	10.9	3,102	8.0	492
Under 2,500(Low)	2,842	1,724	60.7	702	24.7	158	5.5	258	9.1	60
2,500-4,499(Normal)	35,490	8,125	22.9	20,571	58.0	3,991	11.2	2,803	7.9	429
4,500 and Over(High).	526	107	20.4	310	58.9	71	13.5	38	7.2	3
Not Stated	3	0	n/a	0	n/a	0	n/a	3	n/a	0

n/a Not applicable

Source: Center for Health & Environmental Statistics
Kansas Department of Health and Environment

^{*}Includes only Kansas resident live births for which number of prenatal visits and month care began were reported on the birth certificate.

Residence data.